

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1. **(Currently Amended)** A device for regulating the temperature of a heating wire, the device comprising:

an electronic switch connected in series with the heating wire[.];

a control [[means]] arrangement for controlling the electronic switch[.]; the control arrangement comprising switching time control means for controlling a switching time of the electronic switch wherein the switching time of the electronic switch is a time necessary for the electronic switch to transition from one conductive state to assume another; and

wherein the switching time control means ~~for controlling the switching time of the electric switch~~ controls a setpoint voltage applied to the electronic switch so as to prolong the period required for the electronic switch to transition from one steady state to another.

2. **(Currently Amended)** The device as claimed in claim 1, comprising: temperature measuring means for measuring a temperature of the heating wire, wherein the control ~~means~~ ~~turn arrangement~~ is responsive to the temperature measuring means and turns the electronic switch on and off as a function of the temperature of the heating wire.

3. **(Currently Amended)** The device as claimed in claim 2, wherein the temperature measuring means for measuring the temperature of the heating wire

comprise means for comparing a voltage present at a common point between the electronic switch and the heating wire with a reference voltage.

4. **(Currently Amended)** The device as claimed in claim 1, wherein the switching time control means ~~define~~defines the switching time that is variably prolonged as compared to a normal undelayed switching time of the electronic switch ~~taken in isolation~~.

5. **(Currently Amended)** The device as claimed in claim 1, wherein the switching time control means comprise an operational amplifier, wherein a first input is connected to a common point of the heating wire and of the electronic switch, wherein a second input receives the setpoint voltage and wherein an output controls a turning-on and a turning-off of the electronic switch.

6. **(Currently Amended)** The device as claimed in claim 2, wherein the switching time control means define the switching time longer than a normal switching time of the electronic switch taken in isolation.

7. **(Currently Amended)** The device as claimed in claim 3, wherein the switching time control means define the switching time longer than a normal switching time of the electronic switch taken in isolation.

8. **(Currently Amended)** The device as claimed in claim 2, wherein the switching time control means comprise an operational amplifier, wherein a first input is connected to a common point of the heating wire and of the electronic switch, whereof a second input receives the setpoint voltage and wherein an output controls the turning-on and the turning-off of the electronic switch.

9. **(Currently Amended)** The device as claimed in claim 3, wherein the switching time control means comprise an operational amplifier, wherein a first input is connected to the common point of the heating wire and of the electronic switch, wherein a second input receives the setpoint voltage and wherein an output controls the turning-on and the turning-off of the electronic switch.

10. **(Currently Amended)** The device as claimed in claim 4, wherein the switching time control means comprise an operational amplifier, wherein a first input is connected to a common point of the heating wire and of the electronic switch, wherein a second input receives the setpoint voltage and wherein an output controls the turning-on and the turning-off of the electronic switch.

11. **(New)** A device for regulating the temperature of a heating wire, the device comprising:

an electronic switch connected in series with the heating wire; and

an electronic interference emission attenuation arrangement which controls a switching time of the electronic switch wherein the switching time of the electronic switch is a time necessary for the electronic switch to transition from one state to assume another, the electronic interference emission attenuation arrangement controlling a setpoint voltage applied to the electronic switch so as to prolong the period required for the electronic switch to transition from one steady state to another.